

## 1 Identification

### · Product identifier

- Product number 10511FL
- Trade name: **ABBOT EUROMAGIC PRECAT LACQ FLAT**

### · Details of the supplier of the safety data sheet

- Manufacturer/Supplier:  
IVM Chemicals Srl  
Viale della Stazione 3 -27020 Parona (PV)Italy -Tel +39 038425441

- Information department:  
Environmental Health and safety office  
hseoffice@ivmchemicals.com

### · Emergency telephone number:

ChemTel Expert Assistance Hotline/SDS Fax Access by dialing 1-800-255-3924 or for International +1-813-248-0585.

## 2 Hazard(s) identification

### · Classification of the substance or mixture



GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.



GHS08 Health hazard

Carc. 2 H351 Suspected of causing cancer.

Repr. 2 H361 Suspected of damaging fertility or the unborn child.



GHS05 Corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

### · Label elements

#### · GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

#### · Hazard pictograms



GHS02 GHS05 GHS07 GHS08

#### · Signal word Danger

#### · Hazard-determining components of labeling:

butan-1-ol  
toluene  
2-methylpropan-1-ol

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· **Hazard statements**

- H225 Highly flammable liquid and vapor.  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H351 Suspected of causing cancer.  
 H361 Suspected of damaging fertility or the unborn child.  
 H336 May cause drowsiness or dizziness.

· **Precautionary statements**

- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**










|            |    |                |
|------------|----|----------------|
| HEALTH     | *1 | Health = *1    |
| FIRE       | 3  | Fire = 3       |
| REACTIVITY | 0  | Reactivity = 0 |

### 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture: consisting of the following components.



















· **Dangerous components:**

|          |  |           |
|----------|--|-----------|
| 110-19-0 | isobutyl acetate<br> Flam. Liq. 2, H225   | 20-24.9%  |
| 141-78-6 | ethyl acetate<br> Flam. Liq. 2, H225<br> Eye Irrit. 2, H319; STOT SE 3, H336 | 12.5-15%  |
| 123-86-4 | n-butyl acetate<br> Flam. Liq. 3, H226<br> STOT SE 3, H336                   | 10-<15%   |
| 67-63-0  | propan-2-ol<br> Flam. Liq. 2, H225<br> Eye Irrit. 2, H319; STOT SE 3, H336   | 5-9.99%   |
| 78-93-3  | butanone<br> Flam. Liq. 2, H225<br> Eye Irrit. 2, H319; STOT SE 3, H336      | 2.5-4.99% |

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|           |   |           |
|-----------|---|-----------|
| 71-36-3   | butan-1-ol<br> Flam. Liq. 3, H226<br> Eye Dam. 1, H318<br> Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336   | 2.5-4.99% |
| 108-88-3  | toluene<br> Flam. Liq. 2, H225<br> Repr. 2, H361; STOT RE 2, H373; Asp. Tox. 1, H304<br> Skin Irrit. 2, H315; STOT SE 3, H336  | 2.5-4.99% |
| 77-90-7   | tributyl O-acetylcitrate<br>H402; Aquatic Chronic 3, H412   | 2.5-4.99% |
| 1330-20-7 | xylene<br> Flam. Liq. 3, H226<br> Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315   | 1-2.49%   |
| 78-83-1   | 2-methylpropan-1-ol<br> Flam. Liq. 3, H226<br> Eye Dam. 1, H318<br> Skin Irrit. 2, H315; STOT SE 3, H335-H336  | 1-2.49%   |
| 100-41-4  | ethylbenzene<br> Flam. Liq. 2, H225<br> Carc. 2, H351<br> Acute Tox. 4, H332  | 0.5-<1%   |
| 50-00-0   | formaldehyde<br> Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331<br> Carc. 1A, H350<br> Skin Corr. 1B, H314<br> Skin Sens. 1, H317 | <0.1%     |

#### 4 First-aid measures

##### · Description of first aid measures

###### · General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· *After inhalation:* Supply fresh air; consult doctor in case of complaints.

###### · After skin contact:

Take off immediately all contaminated clothing, include underwear and shoes (if necessary). Rinse thoroughly with plenty of water for at least 20 minutes and take medical advise. If medical advise is needed have products container or label at hand.

###### · After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· *After swallowing:* Do not induce vomiting; immediately call for medical help.

##### · Most important symptoms and effects, both acute and delayed

For symptoms and effects caused by substances, refer to Section 11.

##### · Indication of any immediate medical attention and special treatment needed

No further relevant information available.

#### 5 Fire-fighting measures

##### · Extinguishing media

· Suitable extinguishing agents: Alcohol resistant foam, CO, powder, water spray/mist.

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- *For safety reasons unsuitable extinguishing agents:*  
Do not use a jet water stream as it may scatter and spread fire.
- **Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
  - *Protective equipment:*  
Hardhat with visor, fireproof clothing, suitable gloves and if necessary respiratory protective device.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to Section 13.  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## 7 Handling and storage

- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.  
Protect against electrostatic charges.  
Use explosion-proof apparatus / fittings and spark-proof tools.
  - **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - **Requirements to be met by storerooms and receptacles:**  
Store in a cool, well-ventilated area, away from heat and sources of ignition  
Provide solvent resistant, sealed floor.  
Observe the label precautions, the expiration date for the use, if indicated, is from delivery date of goods.  
In cases where there is no reported expiration date, it means that the product must be used within 8 months.
    - **Information about storage in one common storage facility:** Not required.
    - **Further information about storage conditions:**  
Keep receptacle tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** Those typical of the product and the instructions in the data sheet if required.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

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**Control parameters**

· *Components with limit values that require monitoring at the workplace:*

**110-19-0 isobutyl acetate**

PEL Long-term value: 700 mg/m<sup>3</sup>, 150 ppm

REL Long-term value: 700 mg/m<sup>3</sup>, 150 ppm

TLV Long-term value: 713 mg/m<sup>3</sup>, 150 ppm

**141-78-6 ethyl acetate**

PEL Long-term value: 1400 mg/m<sup>3</sup>, 400 ppm

REL Long-term value: 1400 mg/m<sup>3</sup>, 400 ppm

TLV Long-term value: 1440 mg/m<sup>3</sup>, 400 ppm

**123-86-4 n-butyl acetate**

PEL Long-term value: 710 mg/m<sup>3</sup>, 150 ppm

REL Short-term value: 950 mg/m<sup>3</sup>, 200 ppm

Long-term value: 710 mg/m<sup>3</sup>, 150 ppm

TLV Short-term value: 950 mg/m<sup>3</sup>, 200 ppm

Long-term value: 713 mg/m<sup>3</sup>, 150 ppm

**67-63-0 propan-2-ol**

PEL Long-term value: 980 mg/m<sup>3</sup>, 400 ppm

REL Short-term value: 1225 mg/m<sup>3</sup>, 500 ppm

Long-term value: 980 mg/m<sup>3</sup>, 400 ppm

TLV Short-term value: 984 mg/m<sup>3</sup>, 400 ppm

Long-term value: 492 mg/m<sup>3</sup>, 200 ppm

BEI

**78-93-3 butanone**

PEL Long-term value: 590 mg/m<sup>3</sup>, 200 ppm

REL Short-term value: 885 mg/m<sup>3</sup>, 300 ppm

Long-term value: 590 mg/m<sup>3</sup>, 200 ppm

TLV Short-term value: 885 mg/m<sup>3</sup>, 300 ppm

Long-term value: 590 mg/m<sup>3</sup>, 200 ppm

BEI

**71-36-3 butan-1-ol**

PEL Long-term value: 300 mg/m<sup>3</sup>, 100 ppm

REL Ceiling limit value: 150 mg/m<sup>3</sup>, 50 ppm

Skin

TLV Long-term value: 61 mg/m<sup>3</sup>, 20 ppm

**108-88-3 toluene**

PEL Long-term value: 200 ppm

Ceiling limit value: 300; 500\* ppm

\*10-min peak per 8-hr shift

REL Short-term value: 560 mg/m<sup>3</sup>, 150 ppm

Long-term value: 375 mg/m<sup>3</sup>, 100 ppm

TLV Long-term value: 75 mg/m<sup>3</sup>, 20 ppm

BEI

**1330-20-7 xylene**

PEL Long-term value: 435 mg/m<sup>3</sup>, 100 ppm

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|     |  |
|-----|--|
| REL | Short-term value: 655 mg/m <sup>3</sup> , 150 ppm<br>Long-term value: 435 mg/m <sup>3</sup> , 100 ppm        |
| TLV | Short-term value: 651 mg/m <sup>3</sup> , 150 ppm<br>Long-term value: 434 mg/m <sup>3</sup> , 100 ppm<br>BEI |

**78-83-1 2-methylpropan-1-ol**

|     |  |
|-----|--|
| PEL | Long-term value: 300 mg/m <sup>3</sup> , 100 ppm |
| REL | Long-term value: 150 mg/m <sup>3</sup> , 50 ppm  |
| TLV | Long-term value: 152 mg/m <sup>3</sup> , 50 ppm  |

· *Ingredients with biological limit values:***67-63-0 propan-2-ol**

|     |   |
|-----|---|
| BEI | 40 mg/L<br>Medium: urine<br>Time: end of shift at end of workweek<br>Parameter: Acetone (background, nonspecific) |
|-----|---|

**78-93-3 butanone**

|     |   |
|-----|---|
| BEI | 2 mg/L<br>Medium: urine<br>Time: end of shift<br>Parameter: MEK |
|-----|---|

**108-88-3 toluene**

|     |  |
|-----|--|
| BEI | 0.02 mg/L<br>Medium: blood<br>Time: prior to last shift of workweek<br>Parameter: Toluene                      |
|     | 0.03 mg/L<br>Medium: urine<br>Time: end of shift<br>Parameter: Toluene   |
|     | 0.3 mg/g creatinine<br>Medium: urine<br>Time: end of shift<br>Parameter: o-Cresol with hydrolysis (background) |

**1330-20-7 xylene**

|     |  |
|-----|--|
| BEI | 1.5 g/g creatinine<br>Medium: urine<br>Time: end of shift<br>Parameter: Methylhippuric acids |
|-----|--|

· *Additional information:* The lists that were valid during the creation were used as basis.· **Exposure controls**· *Personal protective equipment:*· *General protective and hygienic measures:*

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin.

· *Breathing equipment:*

- In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

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· **Protection of hands:**



Protective gloves

Due to missing tests no recommendation to the glove material can be given for the product. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

The glove material has to be impermeable and resistant to the product .

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

· **Form:**

Fluid

· **Color:**

According to product specification

· **Odor:**

Characteristic

· **Odour threshold:**

Not determined.

· **pH-value:**

Not determined.

· **Change in condition**

· **Melting point/Melting range:**

Undetermined.

· **Boiling point/Boiling range:**

77 °C (171 °F)

· **Flash point:**

-4 °C (25 °F)

· **Flammability (solid, gaseous):**

Not applicable.

· **Ignition temperature:**

370 °C (698 °F)

· **Decomposition temperature:**

Not determined.

· **Auto igniting:**

Product is not selfigniting.

· **Danger of explosion:**

Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Explosion limits:**

· **Lower:**

1.1 Vol %

· **Upper:**

12.0 Vol %

· **Vapor pressure at 20 °C (68 °F):**

105 hPa (79 mm Hg)

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|   |   |
|---|---|
| · <b>Density at 20 °C (68 °F):</b>                | 0.948 g/cm <sup>3</sup> (7.911 lbs/gal) |
| · <b>Relative density</b>                         | Not determined.                         |
| · <b>Vapour density</b>                           | Not determined.                         |
| · <b>Evaporation rate</b>                         | Not determined.                         |
| · <b>Solubility in / Miscibility with</b>         |   |
| · <b>Water:</b>                                   | Not miscible or difficult to mix.       |
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined.                         |
| · <b>Viscosity:</b>                               |   |
| · <b>Dynamic:</b>                                 | Not determined.                         |
| · <b>Kinematic at 20 °C (68 °F):</b>              | 110 s (ISO 4 mm)                        |
| · <b>Solvent content:</b>                         |   |
| · <b>VOC content:</b>                             | 72.2 %<br>684.6 g/l / 5.71 lb/gl        |
| · <b>Solids content:</b>                          | 27.8 %                                  |
| · <b>Other information (HAPS)</b>                 |   |
| 108-88-3 toluene                                  | 2,5-4,99%                               |
| 1330-20-7 xylene                                  | 1-2,49%                                 |
| 100-41-4 ethylbenzene                             | 0.5-<1%                                 |
| 50-00-0 formaldehyde                              | <0.1%                                   |

### 10 Stability and reactivity

- **Reactivity** typical of the product as indicated in the data sheet
- **Chemical stability** The product is stable in normal conditions of storage and use recommended
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions**  
Reacts with strong acids and oxidizing agents.  
Vapours may form explosive mixtures with air
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**  
in case of possible formation of combustion:  
Carbon monoxide and carbon dioxide

### 11 Toxicological information

- **Information on toxicological effects**
  - **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

#### 110-19-0 isobutyl acetate

|            |          |  |
|------------|----------|--|
| Oral       | LD50     | 13400 mg/kg (rat/szczur/mouse/souris/Maus/ratón) |
| Dermal     | LD50     | 17401 mg/kg (Con)                                |
| Inhalative | LC50/4 h | 31 mg/l (rat/szczur/mouse/souris/Maus/ratón)     |

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**141-78-6 ethyl acetate**

|            |          |   |
|------------|----------|---|
| Oral       | LD50     | 4934 mg/kg (rabbit/królik/Kaninchen/conejo/lapin) |
| Dermal     | LD50     | >20000 mg/kg (Con)                                |
| Inhalative | LC0/6 h  | >22.5 ppm (mouse)                                 |
|            | LC50/4 h | 1600 mg/l (rat/szczur/mouse/souris/Maus/ratón)    |

**123-86-4 n-butyl acetate**

|            |          |  |
|------------|----------|--|
| Oral       | LD50     | 10760 mg/kg (rat/szczur/mouse/souris/Maus/ratón)   |
| Dermal     | LD50     | 14000 mg/kg (rabbit/królik/Kaninchen/conejo/lapin) |
| Inhalative | LC50/4 h | >21.0 mg/l (rat/szczur/mouse/souris/Maus/ratón)    |

**67-63-0 propan-2-ol**

|            |          |  |
|------------|----------|--|
| Oral       | LD50     | 5045 mg/kg (rat/szczur/mouse/souris/Maus/ratón)    |
| Dermal     | LD50     | 12800 mg/kg (rabbit/królik/Kaninchen/conejo/lapin) |
| Inhalative | LC50     | 9640 mg/l (Leuciscus idus melanotus) (96 h)        |
|            |          | 1001 mg/l (daphnia) (24 h)                         |
|            | LC50/4 h | 30 mg/l (rat/szczur/mouse/souris/Maus/ratón)       |

**78-93-3 butanone**

|        |      |   |
|--------|------|---|
| Oral   | LD50 | 3300 mg/kg (rat/szczur/mouse/souris/Maus/ratón)   |
| Dermal | LD50 | 5000 mg/kg (rabbit/królik/Kaninchen/conejo/lapin) |

**71-36-3 butan-1-ol**

|            |          |   |
|------------|----------|---|
| Oral       | LD50     | 790 mg/kg (rat/szczur/mouse/souris/Maus/ratón)    |
| Dermal     | LD50     | 3400 mg/kg (rabbit/królik/Kaninchen/conejo/lapin) |
| Inhalative | LC50/4 h | 8000 mg/l (rat/szczur/mouse/souris/Maus/ratón)    |

**108-88-3 toluene**

|            |          |  |
|------------|----------|--|
| Oral       | LD50     | 5000 mg/kg (rat/szczur/mouse/souris/Maus/ratón)    |
| Dermal     | LD50     | 12124 mg/kg (rabbit/królik/Kaninchen/conejo/lapin) |
| Inhalative | LC50/4 h | 5320 mg/l (mouse) (4 h)                            |

**1330-20-7 xylene**

|        |      |   |
|--------|------|---|
| Oral   | LD50 | 4300 mg/kg (rat/szczur/mouse/souris/Maus/ratón)   |
| Dermal | LD50 | 2000 mg/kg (rabbit/królik/Kaninchen/conejo/lapin) |

**78-83-1 2-methylpropan-1-ol**

|            |      |  |
|------------|------|--|
| Oral       | LD50 | 2460 mg/kg (rat/szczur/mouse/souris/Maus/ratón)      |
| Dermal     | LD50 | 3400 mg/kg (rabbit/królik/Kaninchen/conejo/lapin)    |
| Inhalative | LC50 | 1430 mg/l (Leuciscus idus melanotus) (96 h)          |
|            |      | 18.2 mg/l (rat/szczur/mouse/souris/Maus/ratón) (6 h) |

**100-41-4 ethylbenzene**

|        |      |  |
|--------|------|--|
| Oral   | LD50 | 3500 mg/kg (rat/szczur/mouse/souris/Maus/ratón)    |
| Dermal | LD50 | 17800 mg/kg (rabbit/królik/Kaninchen/conejo/lapin) |

**50-00-0 formaldehyde**

|      |      |   |
|------|------|---|
| Oral | LD50 | >200 mg/kg (rat/szczur/mouse/souris/Maus/ratón) |
|------|------|---|

· **Primary irritant effect:**· *on the skin:* Irritant to skin and mucous membranes.· *on the eye:*

Strong caustic effect.

Strong irritant with the danger of severe eye injury.

Irritating effect.

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- *Sensitization: No sensitizing effects known.*
- *Additional toxicological information:*
  - Causes skin irritation.
  - Causes serious eye damage.
  - Suspected of damaging the unborn child.
  - May cause drowsiness or dizziness.
  - Contains formaldehyde. May produce an allergic reaction.
- Irritant*

- *Carcinogenic categories*

- *IARC (International Agency for Research on Cancer)*

|             |  |    |
|-------------|--|----|
| 67-63-0     | propan-2-ol                            | 3  |
| 108-88-3    | toluene                                | 3  |
| 1330-20-7   | xylene                                 | 3  |
| 112926-00-8 | Precipitated silica (Silica-Amorphous) | 3  |
| 100-41-4    | ethylbenzene                           | 2B |
| 50-00-0     | formaldehyde                           | 1  |

- *NTP (National Toxicology Program)*

|         |              |   |
|---------|--------------|---|
| 50-00-0 | formaldehyde | K |
|---------|--------------|---|

- *OSHA-Ca (Occupational Safety & Health Administration)*

|         |              |  |
|---------|--------------|--|
| 50-00-0 | formaldehyde |  |
|---------|--------------|--|

## 12 Ecological information

- *Toxicity*

- *Aquatic toxicity:*

**110-19-0 isobutyl acetate**

|      |                   |
|------|-------------------|
| EC50 | 25 mg/l (daphnia) |
|------|-------------------|

**141-78-6 ethyl acetate**

|            |                    |
|------------|--------------------|
| EC50       | 164 mg/l (daphnia) |
| LC50 (96h) | (daphnia)          |

**123-86-4 n-butyl acetate**

|            |                          |
|------------|--------------------------|
| EC50       | 648 mg/l (algae)<br>72h  |
|            | 44 mg/l (daphnia)<br>48h |
| LC50 (96h) | 18 mg/l (Fish)           |

**108-88-3 toluene**

|      |   |
|------|---|
| EC50 | 134 mg/l (algae)<br>3.78 mg/l (invertebrates) |
|------|---|

**1330-20-7 xylene**

|      |                  |
|------|------------------|
| EC50 | 1 mg/l (daphnia) |
|------|------------------|

- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.

- *Additional ecological information:*

- *General notes:*

Water hazard class 2 (Self-assessment): hazardous for water

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- Do not allow product to reach ground water, water course or sewage system.
- Danger to drinking water if even small quantities leak into the ground.
- **Other adverse effects** No further relevant information available.

**13 Disposal considerations**

- **Waste treatment methods**
  - **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.  
Hand over to hazardous waste disposers.  
Dispose of contents and container in accordance with local state and federal regulations.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

|   |                            |
|---|----------------------------|
| · <b>UN-Number</b>  |                            |
| · DOT   | NA1263                     |
| · IMDG, IATA  | UN1263                     |
| · <b>UN proper shipping name</b>  |                            |
| · DOT   | Paint                      |
| · IMDG, IATA  | PAINT                      |
| · <b>Transport hazard class(es)</b>   |                            |
| · DOT   |                            |
|  |                            |
| · Class   | 3 Flammable liquids        |
| · Label   | 3                          |
| · Class   | 3 Flammable liquids        |
| · Label   | 3                          |
| · <b>IMDG, IATA</b>   |                            |
|  |                            |
| · Class   | 3 Flammable liquids        |
| · Label   | 3                          |
| · <b>Packing group</b>  |                            |
| · DOT, IMDG, IATA   | II                         |
| · <b>Environmental hazards:</b>   |                            |
| · Marine pollutant:   | No                         |
| · <b>Special precautions for user</b>   | Warning: Flammable liquids |
| · Danger code (Kemler):   | 33                         |

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|  |  |
|--|--|
| · <b>EMS Number:</b>   | <u>F-E, S-E</u>                                    |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable.                                    |
| · <b>Transport/Additional information:</b>                                       |  |
| · <b>IMDG</b>  |  |
| · <b>Limited quantities (LQ)</b>   | 5L   |
| · <b>Excepted quantities (EQ)</b>  | Code: E2   |
|  | Maximum net quantity per inner packaging:<br>30 ml |
|  | Maximum net quantity per outer packaging: 500 ml   |
| · <b>UN "Model Regulation":</b>  | UN1263, Paint, special provision 640D, 3, II       |

**15 Regulatory information**

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

Requirements of Federal Register

· **SARA**

· **Section 355 (extremely hazardous substances):**

50-00-0 formaldehyde

· **Section 313 (Specific toxic chemical listings) :**

67-63-0 propan-2-ol

78-93-3 butanone

71-36-3 butan-1-ol

108-88-3 toluene

1330-20-7 xylene

100-41-4 ethylbenzene

50-00-0 formaldehyde

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

100-41-4 ethylbenzene

50-00-0 formaldehyde

· **Chemicals known to cause reproductive toxicity for females:**

108-88-3 toluene

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

108-88-3 toluene

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

78-93-3 butanone

/

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|           |              |    |
|-----------|--------------|----|
| 71-36-3   | butan-1-ol   | D  |
| 108-88-3  | toluene      | II |
| 1330-20-7 | xylene       | I  |
| 100-41-4  | ethylbenzene | D  |

· **TLV (Threshold Limit Value established by ACGIH)**

|           |              |    |
|-----------|--------------|----|
| 67-63-0   | propan-2-ol  | A4 |
| 108-88-3  | toluene      | A4 |
| 1330-20-7 | xylene       | A4 |
| 100-41-4  | ethylbenzene | A3 |
| 50-00-0   | formaldehyde | A2 |

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

|         |              |  |
|---------|--------------|--|
| 50-00-0 | formaldehyde |  |
|---------|--------------|--|

· **National regulations:**

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** IVM Chemicals Srl

· **Contact:** See emergency phone

· **Date of preparation / last revision** 08/27/2014 / 1

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 3: Acute toxicity, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Carc. 1A: Carcinogenicity, Hazard Category 1A

Carc. 2: Carcinogenicity, Hazard Category 2

Repr. 2: Reproductive toxicity, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

: Hazardous to the aquatic environment - Acute Hazard, Category 3

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

· **Sources**

Directive 1999/45/EC and following amendments

Directive 67/548/EEC and following amendments and adjustments

Agency ECHA web site

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*INRS Fiche Toxicologique*  
*IARC International agency for research on cancer*  
*· \* Data compared to the previous version altered.*

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USA